

Message

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**From:** Henry, Tala [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8BFC0A617A4A43BAA8856541C70622BE-THENRY02]  
**Sent:** 10/21/2019 7:07:42 PM  
**To:** Frithsen, Jeff [Frithsen.Jeff@epa.gov]  
**Subject:** RE: PFAS - By the numbers

No; I say hard copy fly by

Tala R. Henry, Ph.D.  
Deputy Director  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency

T: 202-564-2959  
E: henry.tala@epa.gov

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**From:** Frithsen, Jeff <Frithsen.Jeff@epa.gov>  
**Sent:** Monday, October 21, 2019 2:53 PM  
**To:** Henry, Tala <Henry.Tala@epa.gov>  
**Subject:** RE: PFAS - By the numbers

Tala:

Do you have a copy of the Congressional Bill to which you are referring?

Jeff

Jeffrey B. Frithsen, Ph.D.  
National Program Director  
Chemical Safety for Sustainability Research Program  
Office of Research and Development (8101R)  
202-564-3512 (office phone)  

Ex. 6 Personal Privacy (PP) ||| phone)

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**From:** Henry, Tala <Henry.Tala@epa.gov>  
**Sent:** Monday, October 21, 2019 12:46 PM  
**To:** Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>; Lambert, Jason <Lambert.Jason@epa.gov>  
**Cc:** Morris, Jeff <Morris.Jeff@epa.gov>; Henry, Tala <Henry.Tala@epa.gov>; Williamson, Tracy <Williamson.Tracy@epa.gov>; Widawsky, David <Widawsky.David@epa.gov>  
**Subject:** FW: PFAS - By the numbers  
**Importance:** High

Attached are the PFAS in Excel.

See below email from Tracy Williamson regarding chemicals OPPT would not define as PFAS and rationale (this is not necessarily comprehensive review of your list of 6000). For more discussion on this point, please work with **Tracy Williamson** in OPPT.

Also note, in the Bill I saw last week, there were 'definitions' of PFAS...some much broader than ours; so, if that passes, we may all be re-defining.

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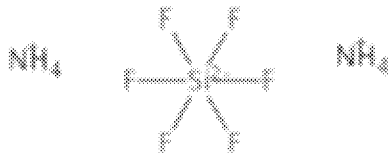
T: 202-564-2959  
E: [henry.tala@epa.gov](mailto:henry.tala@epa.gov)

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**From:** Williamson, Tracy <[Williamson.Tracy@epa.gov](mailto:Williamson.Tracy@epa.gov)>  
**Sent:** Thursday, October 10, 2019 4:24 PM  
**To:** Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>; Scheifele, Hans <[Scheifele.Hans@epa.gov](mailto:Scheifele.Hans@epa.gov)>  
**Cc:** Schechter, Kathryn <[Schechter.Kathryn@epa.gov](mailto:Schechter.Kathryn@epa.gov)>  
**Subject:** RE: PFAS - By the numbers

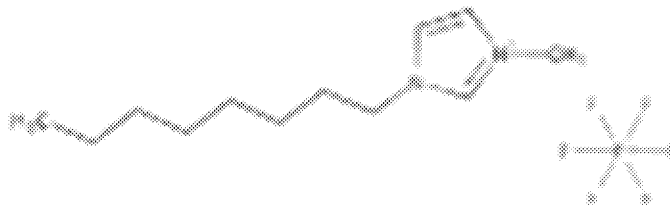
The ORD master file of PFAS has >6000, so we've been reviewing it in small chunks. Some of the types of chemicals that we have identified to date as not PFAS are:

The "A" (alkyl) is missing:

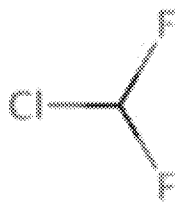


Ammonium hexafluorosilicate  
DTXSID:DTXSID6047076  
CASRN:16919-19-0  
TOXCAST:1/79

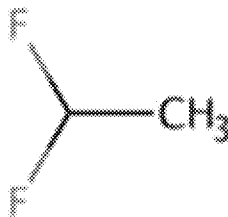
Similarly, the "FA" is missing (F needs to be on the A):



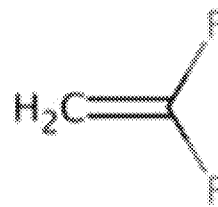
OPPT has a broad (broader than most) working definition for what is PFAS: contains R-CF<sub>2</sub>-CF<sub>2</sub>-R' where R & R' are not H. This includes some pretty small molecules, but some on the ORD list are a little too small with not enough F:



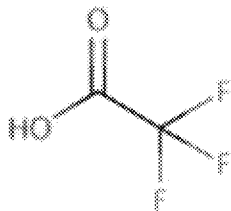
Chlorodifluoromethane  
DTXSID:DTXSID0020301  
CASRN:75-45-6  
TOXCAST:-



1,1-Difluoroethane  
DTXSID:DTXSID0024050  
CASRN:75-37-6  
TOXCAST:-

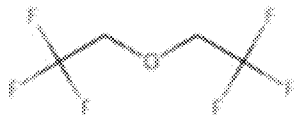


Vinylidene fluoride  
DTXSID:DTXSID0021439  
CASRN:75-38-7  
TOXCAST:-

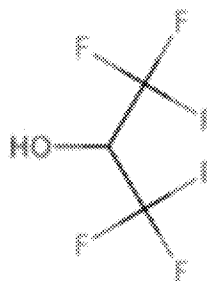


Trifluoroacetic acid  
DTXSID:DTXSID9041578  
CASRN:76-05-1  
TOXCAST:-

We do not include substances like the following, because they do not contain any of the strong fluorinated-carbon-to-fluorinated-carbon bonds:



Fluorothyl  
DTXSID:DTXSID5046516  
CASRN:333-36-8  
TOXCAST:1/79



2H-Perfluoro-2-propanol  
DTXSID:DTXSID1022134  
CASRN:920-66-1  
TOXCAST:-

**From:** Henry, Tala <Henry.Tala@epa.gov>

**Sent:** Thursday, October 10, 2019 11:44 AM

**To:** Scheifele, Hans <Scheifele.Hans@epa.gov>; Williamson, Tracy <Williamson.Tracy@epa.gov>

**Subject:** FW: PFAS - By the numbers

Are the lists below that we sent to the Hill "close enough" or should ICB 'run' new lists based on the very latest Inventory put out in Sept?

Also, Tracy =- they want to know which of their chems ICB thought are not PFAS?

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**From:** Frithsen, Jeff <[Frithsen.Jeff@epa.gov](mailto:Frithsen.Jeff@epa.gov)>  
**Sent:** Thursday, October 10, 2019 7:53 AM  
**To:** Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>  
**Cc:** Morris, Jeff <[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>; Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Gillespie, Andrew <[Gillespie.Andrew@epa.gov](mailto:Gillespie.Andrew@epa.gov)>; Lambert, Jason <[Lambert.Jason@epa.gov](mailto:Lambert.Jason@epa.gov)>  
**Subject:** RE: PFAS - By the numbers

Tala:

Checking in on the PFAS list. Do you know when OPPT can provide to ORD? What we would like is a list of the TSCA active inventory (the 602) and the TSCA inventory (1223) PFAS chemicals. And we also would like to know about chemicals on our PFAS lists that OPPT doesn't think are PFAS chemicals.

Thanks.

Jeff

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**From:** Frithsen, Jeff  
**Sent:** Thursday, September 19, 2019 4:31 PM  
**To:** Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>  
**Cc:** Morris, Jeff <[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>; Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Gillespie, Andrew <[Gillespie.Andrew@epa.gov](mailto:Gillespie.Andrew@epa.gov)>  
**Subject:** RE: PFAS - By the numbers

Thanks Tala.

And yes, if we there are issues with any of the chemicals that ORD has included as PFAS, we want to know about it and would like to discuss.

Jeff

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**From:** Henry, Tala <Henry.Tala@epa.gov>  
**Sent:** Thursday, September 19, 2019 4:30 PM  
**To:** Frithsen, Jeff <Frithsen.Jeff@epa.gov>  
**Cc:** Morris, Jeff <Morris.Jeff@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>  
**Subject:** RE: PFAS - By the numbers

Yes, we would be glad to provide. Our chemists have noted that some chemicals on your lists are not actually PFASs...do you want to know those too?

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**From:** Frithsen, Jeff <Frithsen.Jeff@epa.gov>  
**Sent:** Thursday, September 19, 2019 2:15 PM  
**To:** Henry, Tala <Henry.Tala@epa.gov>  
**Cc:** Morris, Jeff <Morris.Jeff@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>  
**Subject:** PFAS - By the numbers

Tala:

Thanks again for the update and clarification on PFAS chemicals. ORD is investing significant resources into the development of authoritative and curated lists for PFAS chemicals. It would be helpful if we could get a list of the TSCA active inventory (the 602) and TSCA inventory (1223) PFAS chemicals. This would assist with our PFAS inventory and library development and our tiered testing activities.

My understanding is that at least some portion of the two lists include CBI information. Assuming my understanding is correct, would it be possible to get redacted lists to avoid CBI issues?

Everyone is juggling much these days. However, what would be a reasonable expectation for timing?

Glad to discuss if needed.

Jeff

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**From:** Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>  
**Sent:** Monday, September 9, 2019 1:58 PM  
**To:** Dunn, Alexandra <[dunn.alexandra@epa.gov](mailto:dunn.alexandra@epa.gov)>; Keller, Kaitlin  
<[keller.kaitlin@epa.gov](mailto:keller.kaitlin@epa.gov)>; Hanley, Mary <[Hanley.Mary@epa.gov](mailto:Hanley.Mary@epa.gov)>; Morris, Jeff  
<[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>  
**Cc:** Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>  
**Subject:** RE: EXACT # of PFAS (again)  
**Importance:** High

The public PFAS Action Plan indicates there are **1,223** PFAS on the TSCA Inventory and of those **602** are “active” (i.e., in commerce at some point between June 2006 and June 2016). And, 621 are ‘inactive’. Of course these are the numbers at the time of the publication of the Action Plan and as such the only public numbers. There could have been a **few** that have commenced since then; however, the number of new PFAS coming through New Chems is significantly less since Lautenberg passes.

As I recall, the Tonko letter asked for a lot of other breakdowns, e.g., those with orders, testing, etc.

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